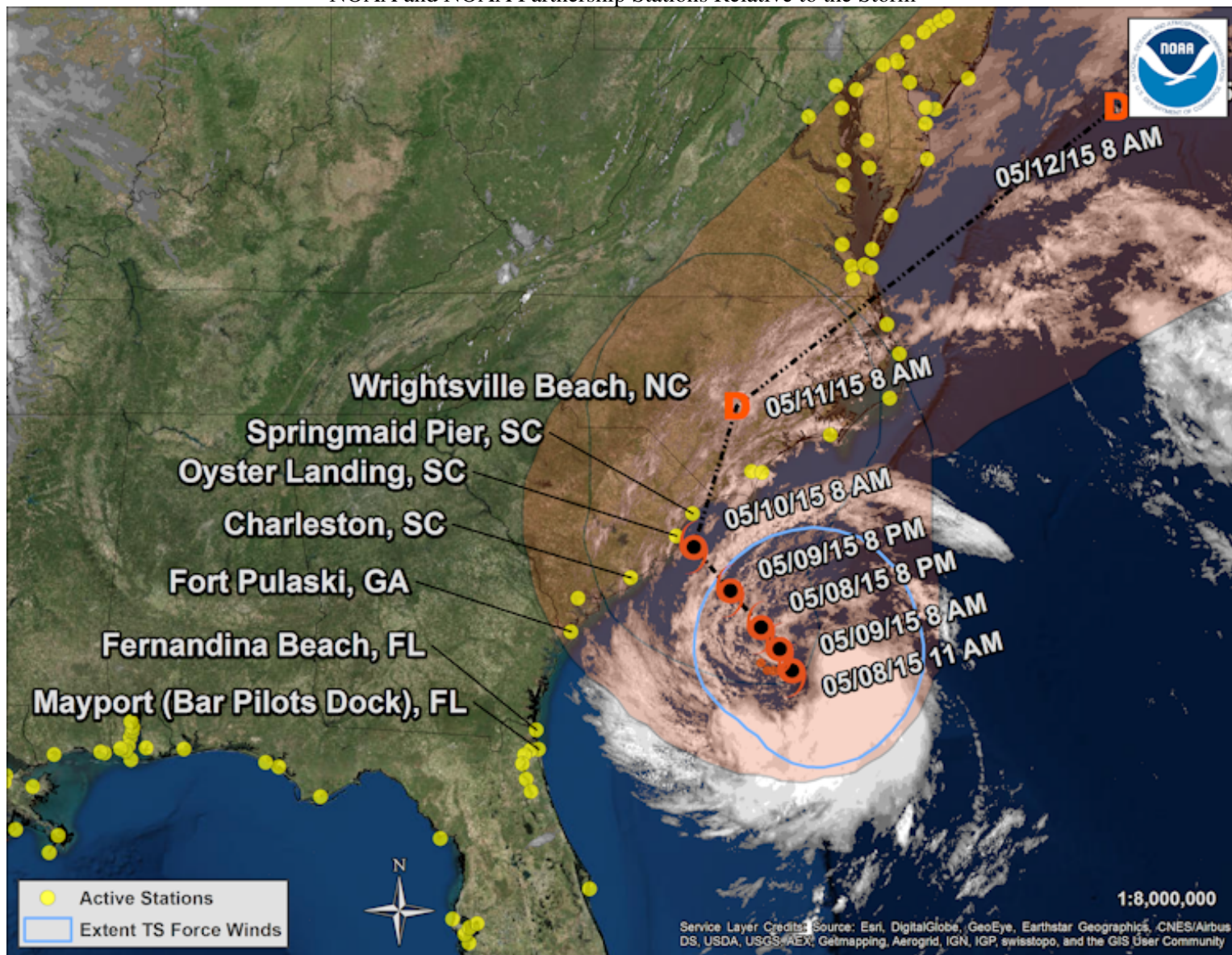




Subtropical Storm ANA QuickLook
Posted: 12:00 EDT 05/08/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/08/2015 12:00 EDT, water levels from Florida's northeastern coast to North Carolina are slowly rising and range between 0.6 and 1.1 ft above tidal predictions. Winds are generally below 20 knots. Barometric pressure is gradually falling across the region.

Subtropical Storm ANA QuickLook, POSTED 12:00 EDT 05/08/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN

SUBTROPICAL STORM ANA ADVISORY NUMBER 3

1100 AM EDT FRI MAY 08 2015

...TROPICAL STORM WARNING ISSUED FOR A PORTION OF THE CAROLINAS...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued from South Santee River South Carolina to Surf City North Carolina.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* South Santee River to Surf City

A Tropical Storm Watch is in effect for...

* Edisto Beach South Carolina to South of South Santee River

* North of Surf City to Cape Lookout North Carolina

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area within 36 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case also within 36 hours.

Interests elsewhere in eastern North Carolina should monitor the progress of Ana.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT, the center of Subtropical Storm Ana was located near latitude 31.5 North, longitude 77.3 West.

Subtropical Storm ANA QuickLook, POSTED 12:00 EDT 05/08/2015

The storm has been meandering during the past few hours, but is expected to begin a north-northwestward motion later today. A turn toward the northwest with a slight increase in forward speed is expected tomorrow.

Maximum sustained winds remain near 45 mph, with higher gusts. Although Ana is expected to make the transition to a tropical storm later today, only small changes in strength are expected while the storm approaches the coastline over the next couple of days.

Winds of 40 mph extend outward up to 150 miles from the center.

The minimum central pressure reported by an Air Force Reserve Reconnaissance Unit Aircraft was 1001 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the warning area, and possible within the watch areas, by Saturday evening.

STORM SURGE: The combination of storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters.

The water could reach 1 to 2 ft above ground at times of high tide in coastal areas from Cape Hatteras, North Carolina southward through South Carolina. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Ana is expected to produce rainfall accumulations of 2 to 4 inches, with isolated amounts of 6 inches, over eastern portions of North Carolina and South Carolina through the weekend.

SURF: Swells generated by Ana are affecting portions of the southeastern U.S. coast. These swells will likely cause life-threatening surf and rip currents. Please see statements issued by your local National Weather Service forecast office.

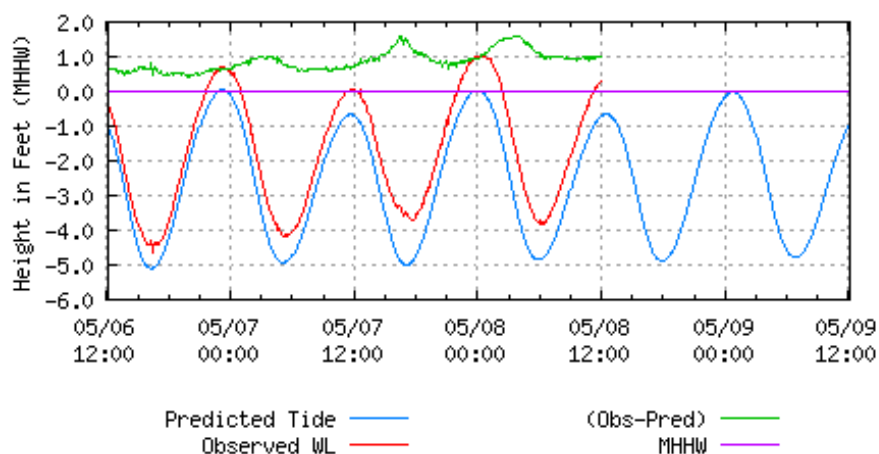
Forecaster Blake

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#)

Subtropical Storm ANA QuickLook, POSTED 12:00 EDT 05/08/2015

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



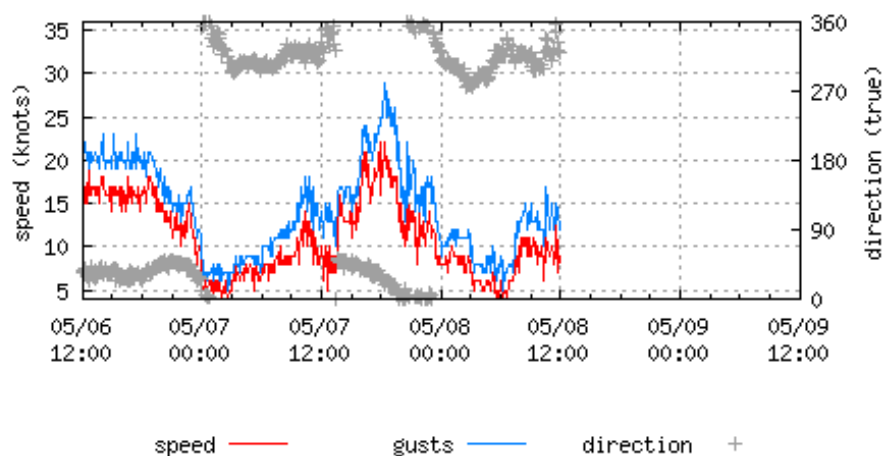
Last Observed Sample: 05/08/2015 11:54 (EDT). Data relative to MHHW

Observed: 0.29 ft. Predicted: -0.72 ft. Residual: 1.01 ft.

Historical Maximum Water Level: Sep 27 2004, 2.47 ft.

Next High Tide: 05/08/2015 12:26 (EDT), -0.65 ft.

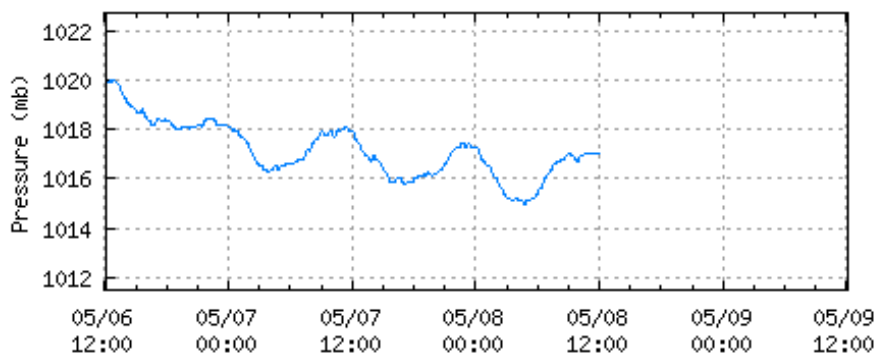
NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL
Wind Speed / Gusts / Direction



Last Observed Sample: 05/08/2015 11:54 (EDT)

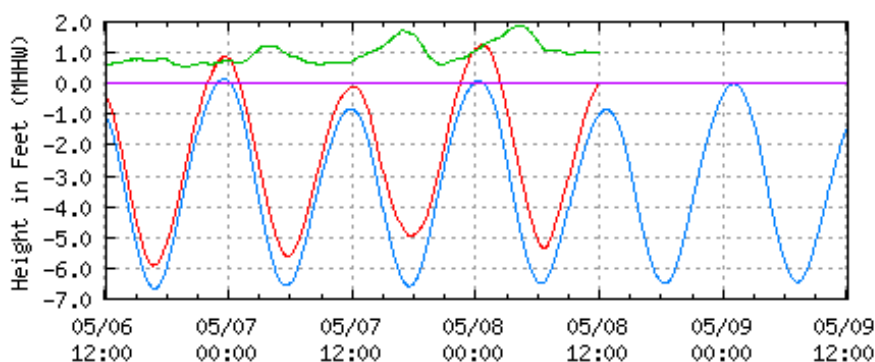
Wind Speed: 9 knots Gusts: 12 knots Direction: 319° T

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/08/2015 11:54 (EDT)
Barometric Pressure: 1017.0 mb

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

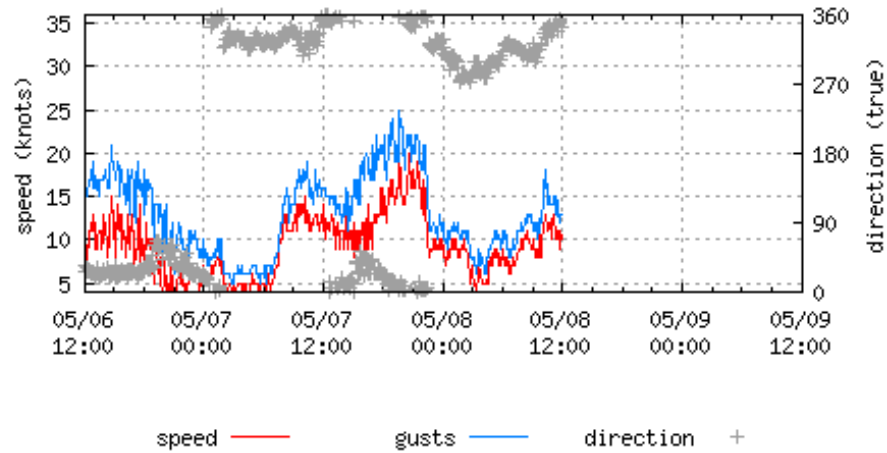


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/08/2015 11:54 (EDT). Data relative to MHHW
Observed: -0.01 ft. Predicted: -1.03 ft. Residual: 1.02 ft.
Historical Maximum Water Level: Oct 2 1898, 6.94 ft.
Next High Tide: 05/08/2015 12:39 (EDT), -0.85 ft.

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

Wind Speed / Gusts / Direction

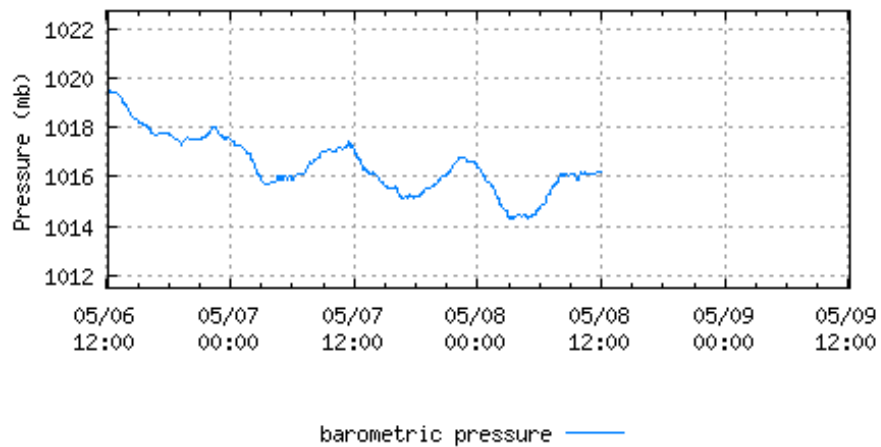


Last Observed Sample: 05/08/2015 11:54 (EDT)

Wind Speed: 10 knots Gusts: 13 knots Direction: 345° T

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

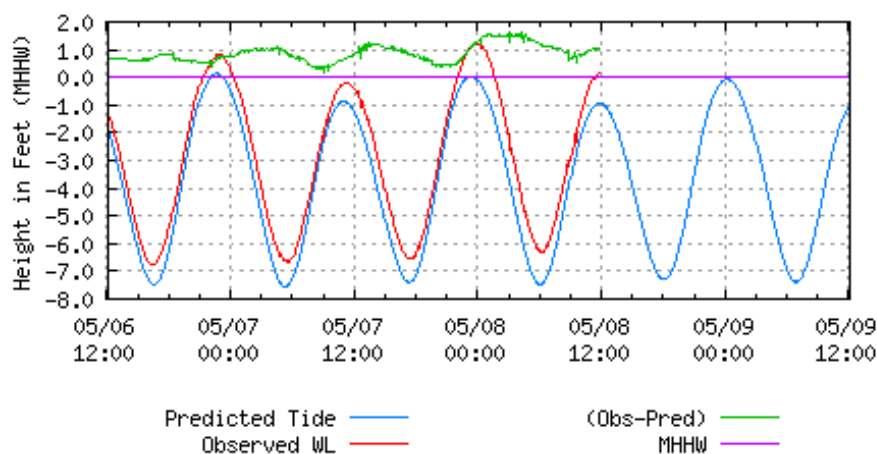
Barometric Pressure



Last Observed Sample: 05/08/2015 11:54 (EDT)

Barometric Pressure: 1016.2 mb

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



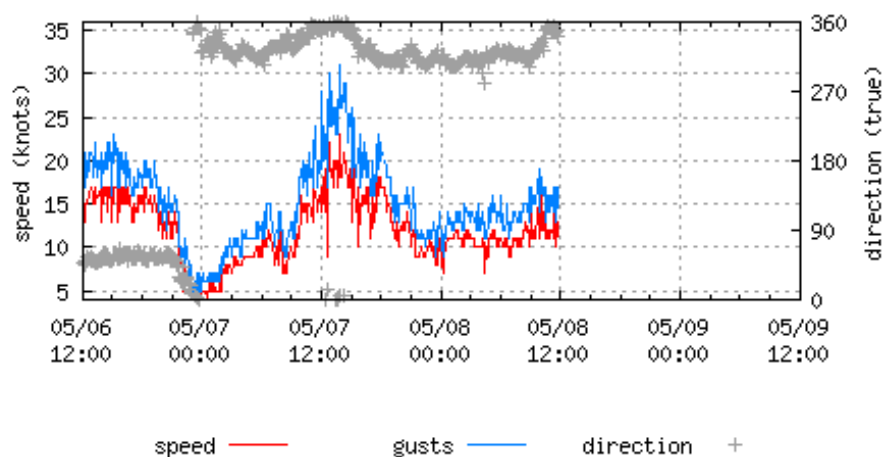
Last Observed Sample: 05/08/2015 11:48 (EDT). Data relative to MHHW

Observed: 0.15 ft. Predicted: -0.92 ft. Residual: 1.07 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/08/2015 11:48 (EDT), -0.93 ft.

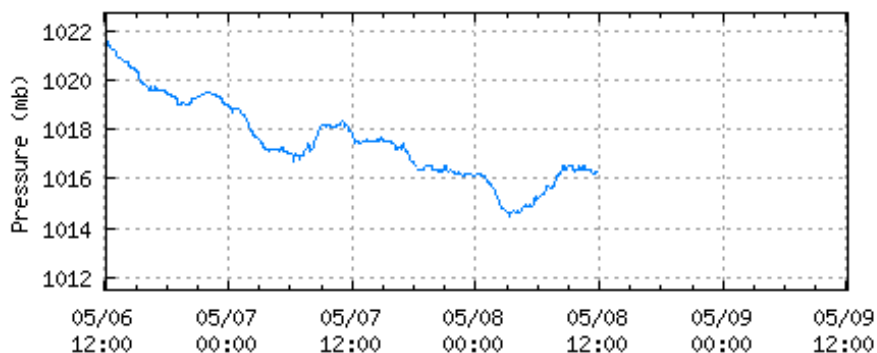
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Wind Speed / Gusts / Direction



Last Observed Sample: 05/08/2015 11:48 (EDT)

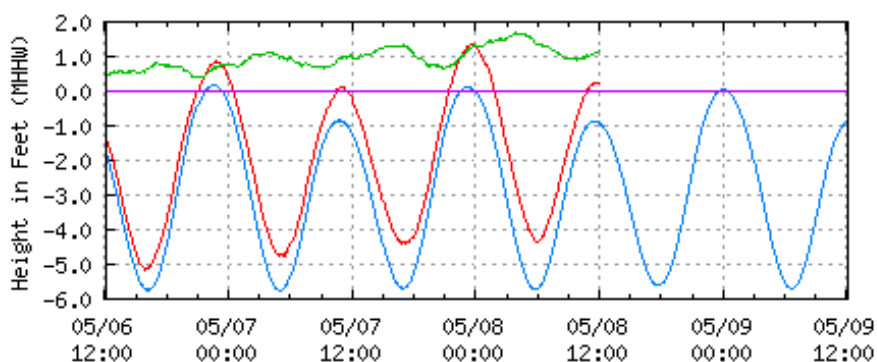
Wind Speed: 13 knots Gusts: 17 knots Direction: 349° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/08/2015 11:48 (EDT)
Barometric Pressure: 1016.3 mb

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/08/2015 11:54 (EDT). Data relative to MHHW

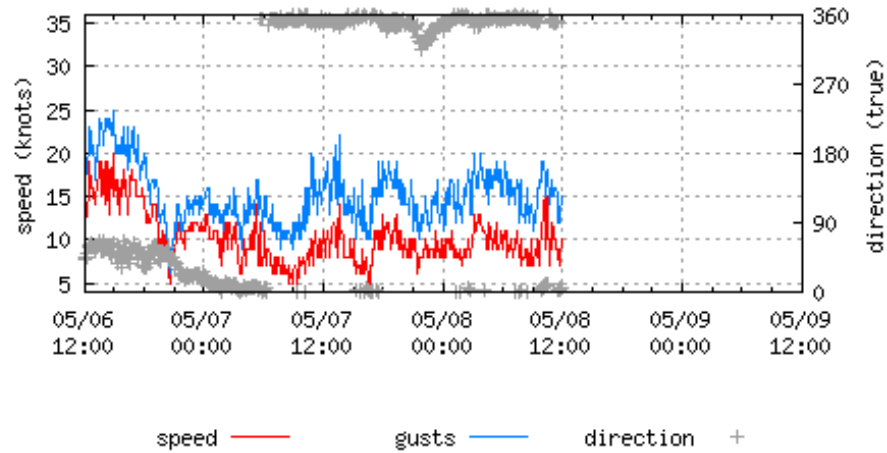
Observed: 0.26 ft. Predicted: -0.89 ft. Residual: 1.15 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 05/09/2015 00:01 (EDT), 0.04 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC

Wind Speed / Gusts / Direction

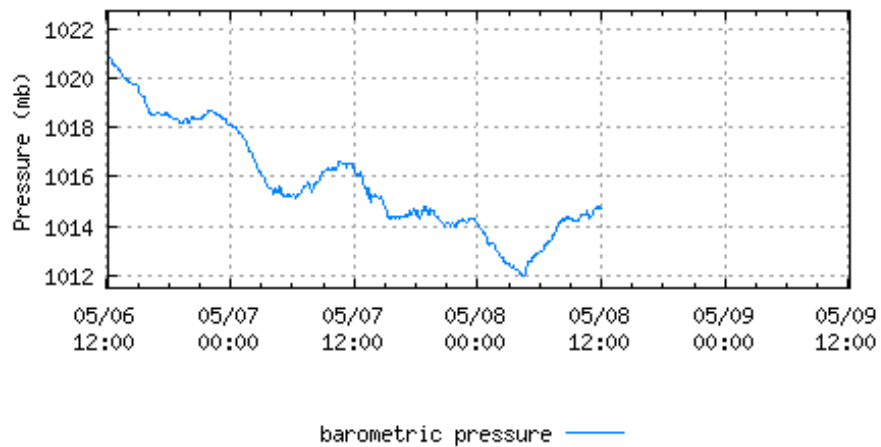


Last Observed Sample: 05/08/2015 11:54 (EDT)

Wind Speed: 10 knots Gusts: 15 knots Direction: 5° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC

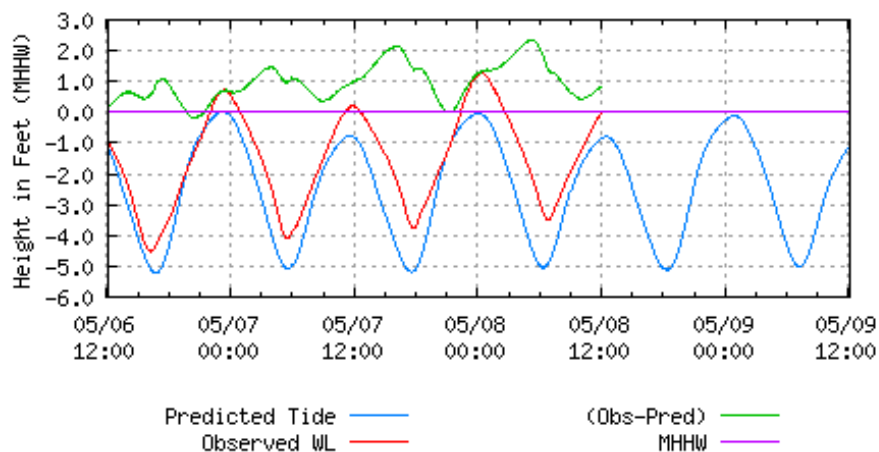
Barometric Pressure



Last Observed Sample: 05/08/2015 11:54 (EDT)

Barometric Pressure: 1014.7 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



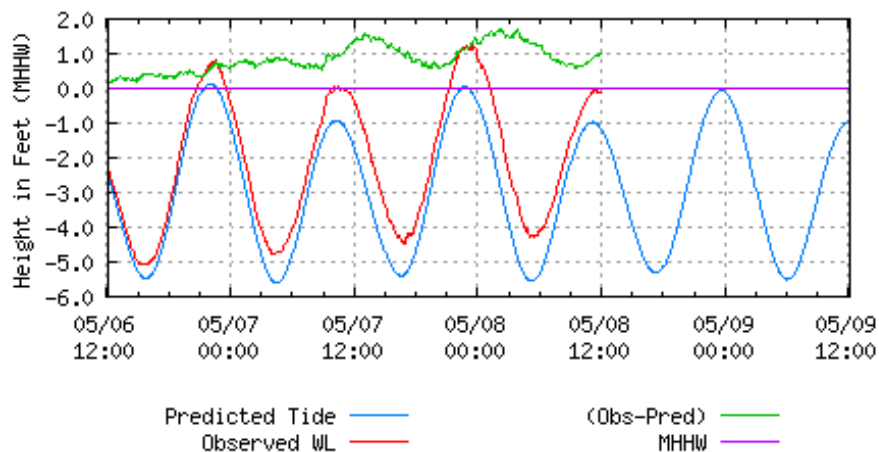
Last Observed Sample: 05/08/2015 11:54 (EDT). Data relative to MHHW

Observed: -0.07 ft. Predicted: -0.86 ft. Residual: 0.79 ft.

Historical Maximum Water Level: Aug 26 2011, 2.40 ft.

Next High Tide: 05/08/2015 12:26 (EDT), -0.80 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 05/08/2015 11:54 (EDT). Data relative to MHHW

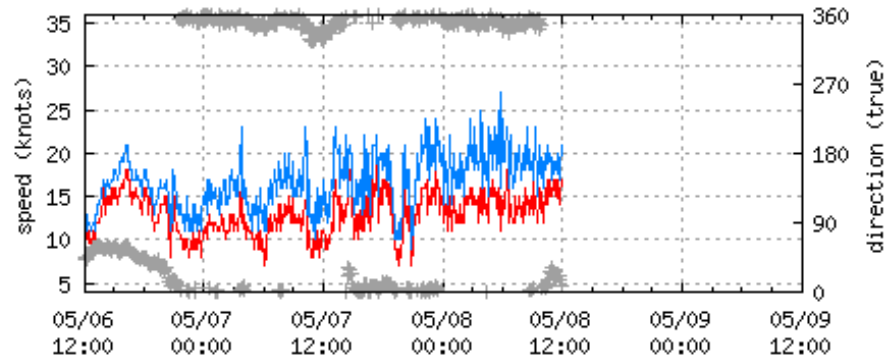
Observed: -0.14 ft. Predicted: -1.15 ft. Residual: 1.01 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/08/2015 23:39 (EDT), -0.06 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Wind Speed / Gusts / Direction



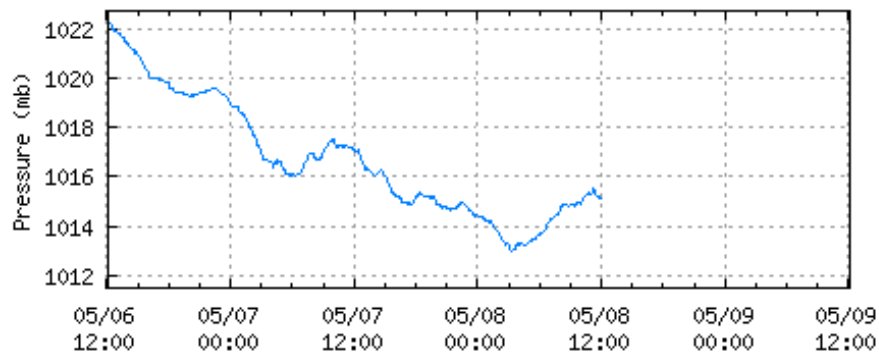
speed — gusts — direction +

Last Observed Sample: 05/08/2015 11:54 (EDT)

Wind Speed: 17 knots Gusts: 21 knots Direction: 7° T

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

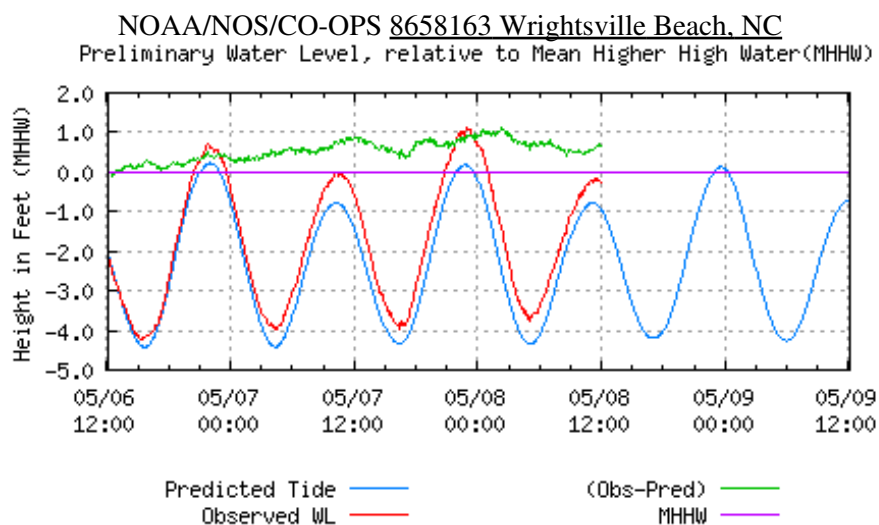
Barometric Pressure



barometric pressure —

Last Observed Sample: 05/08/2015 11:54 (EDT)

Barometric Pressure: 1015.1 mb

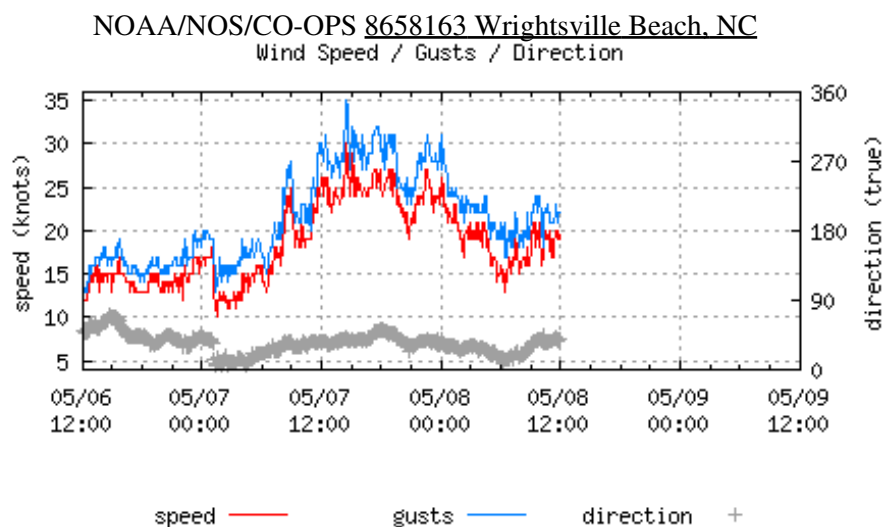


Last Observed Sample: 05/08/2015 11:54 (EDT). Data relative to MHHW

Observed: -0.25 ft. Predicted: -0.93 ft. Residual: 0.68 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/08/2015 23:37 (EDT), 0.13 ft.



Last Observed Sample: 05/08/2015 11:54 (EDT)

Wind Speed: 19 knots Gusts: 22 knots Direction: 40° T

Subtropical Storm ANA QuickLook, POSTED 12:00 EDT 05/08/2015

Latest Water Level Observations on MHHW

| Station ID | Station Name | Date/Time | Observed Water Level | Predicted Tide | Residual Water Level | 24 Hour Maximum Storm Tide |
|------------|---|---------------------------|----------------------------|-------------------|----------------------------|-------------------------------------|
| 8720218 | Mayport (Bar Pilots Dock), FL | 05/08/2015 11:54 (EDT) | 0.29 ft | -0.72 ft | 1.01 ft | 1.03 ft |
| 8720030 | Fernandina Beach, FL | 05/08/2015 11:54 (EDT) | -0.01 ft | -1.03 ft | 1.02 ft | 1.25 ft |
| 8670870 | Fort Pulaski, GA | 05/08/2015 11:48 (EDT) | 0.15 ft | -0.92 ft | 1.07 ft | 1.22 ft |
| 8665530 | Charleston, SC | 05/08/2015 11:54 (EDT) | 0.26 ft | -0.89 ft | 1.15 ft | 1.37 ft |
| 8662245 | Oyster Landing (N Inlet Estuary), SC | 05/08/2015 11:54 (EDT) | -0.07 ft | -0.86 ft | 0.79 ft | 1.27 ft |
| 8661070 | Springmaid Pier, SC | 05/08/2015 11:54 (EDT) | -0.14 ft | -1.15 ft | 1.01 ft | 1.23 ft |
| 8658163 | Wrightsville Beach, NC | 05/08/2015 11:54 (EDT) | -0.25 ft | -0.93 ft | 0.68 ft | 1.11 ft |

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce